TENT COOPERATION TREATOR

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

 	 	_

Commissioner **US Department of Commerce United States Patent and Trademark** Office, PCT 2011 South Clark Place Room CP2/5C24

ETATS-UNIS D'AMERIQUE in its capacity as elected Office

Date of mailing (day/month/year)	
13 November 2000 (13.11.00)	

International application No. PCT/IB00/00419

Applicant

28 March 2000 (28.03.00)

International filing date (day/month/year)

P.HESSLER 1-Priority date (day/month/year)

Applicant's or agent's file reference

Arlington, VA 22202

29 March 1999 (29.03.99)

HESSLER, Peter et al

1.	The designated Office is hereby notified of its election made: X in the demand filed with the International Preliminary Examining Authority on: 28 August 2000 (28.08.00)
	in a notice effecting later election filed with the International Bureau on:
2.	The election X was
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

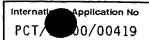
S. Mafla

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FOR FURTHER See Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)			
PCT/IB 00/00419	28/03/2000	29/03/1999			
Applicant LUCENT TECHNOLOGIES INC e	t al.				
This International Search Report has been according to Article 18. A copy is being tra		nority and is transmitted to the applicant			
X It is also accompanied by	a copy of each prior art document cited in this	report			
Basis of the report					
	international search was carried out on the bases otherwise indicated under this item.	sis of the international application in the			
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of t	he international application furnished to this			
was carried out on the basis of the contained in the internation	b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: contained in the international application in written form: filed together with the international application in computer readable form.				
	this Authority in computer readble form.				
the statement that the sub	osequently furnished written sequence listing d s filed has been furnished.	oes not go beyond the disclosure in the			
the statement that the info	ormation recorded in computer readable form is	s identical to the written sequence listing has been			
2. Certain claims were fou	nd unsearchable (See Box I).				
3. Unity of invention is lac	king (see Box II).				
4. With regard to the title,					
X the text is approved as su	bmitted by the applicant.				
the text has been established by this Authority to read as follows:					
5. With regard to the abstract , \[\textbf{X} \] the text is approved as submitted by the applicant. \[\textbf{T} \] the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may,					
within one month from the date of mailing of this international search report, submit comments to this Authority.					
6. The figure of the drawlngs to be public X as suggested by the applicant fail because this figure better	cant.	None of the figures.			



A. CL	ASSIF	CATION	OF SUB	JECT MATTER	
TPC	7	H04J	3/06	H04J3	/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, INSPEC

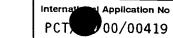
C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	"REC.: EN 300 417-1-1 v.1.1.2 (1998-11)" , EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI) , SOPHIA ANTIPOLIS, FRANCE XP002112909 cited in the application page 97, line 1 -page 98, line 15; figure A.1 page 99, line 1 -page 101, line 24; figure B.1 page 104, paragraph 3	1-5,7,8, 14-19,21
	-/	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
21 July 2000	28/07/2000
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Roldán Andrade, J

Form PCT/ISA/210 (second sheet) (July 1992)

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		PCT) 00/00419
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"REC.: EN 300 417-4-1 v.1.1.2 (1998-11)" , EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE (ETSI) , SOPHIA ANTIPOLIS, FRANCE XP002112910 cited in the application page 16, line 1 - line 7 page 94, line 3 -page 95, line 4 page 96, line 1 -page 105, line 11; tables 51,52	1-8, 13-21
Α .	WO 92 02999 A (TRANSWITCH CORP) 20 February 1992 (1992-02-20)	1,4,5,7, 9-12,15, 17-19,21
	page 2, line 19 -page 3, line 15 page 9, line 16 -page 10, line 17 page 11, line 31 -page 13, line 15; figure 7	
A	US 5 644 567 A (IKEDA YOSHIHISA) 1 July 1997 (1997-07-01) column 2, line 33 - line 40 column 9, line 50 -column 10, line 35; figure 3	1,9-13, 15,18
А	"ITU-T. Rec. G.803 (06/97)", INTERNATIONAL TELECOMMUNICATION UNION (ITU), GENEVE, SWITZERLAND XP002112911 page 8, line 5 -page 10, line 3; figures 6-1,6-2	1,15
А	US 5 455 832 A (BOWMASTER THOMAS A) 3 October 1995 (1995-10-03) column 2, line 33 - line 44 column 5, line 19 - line 27 column 5, line 48 - line 50 column 7, line 8 - line 28 column 11, line 60 - line 63	2,3,6, 16,17
	· .	

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Informa patent family members

PC1 00/00419

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9202999	20-02-1992	US 5142529 A CA 2088156 A DE 69131139 D DE 69131139 T EP 0559649 A ES 2134779 T US 5331641 A US 5257261 A	25-08-1992 28-01-1992 20-05-1999 09-12-1999 15-09-1993 16-10-1999 19-07-1994 26-10-1993
US 5644567	A 01-07-1997	JP 8051406 A	20-02-1996
US 5455832	 A 03-10-1995	NONE	

"THIS COPY FOR LUCENT" ithy Baldwin ENT COOPERATION TREATY PATENT DEPT From the INTERNATIONAL SEARCHING AUTHORITY 1111 2000 NOTIFICATION OF TRANSMITTAL OF LUCENT TECHNOLOGIES UK LIMITED c. 3.T.B. THE INTERNATIONAL SEARCH REPORT c W.K.W. OR THE DECLARATION D ົວ (PCT Rule 44.1) Date of mailing (day/month/year) 28/07/2000 Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below International filing date (day/month/year) 28/03/2000 LUCENT TECHNOLOGIES INC et al. The applicant is hereby notified that the International Search Report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46): The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet. International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Fascimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Further action(s): The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Carole Emery

Attn. WILLIAMS, D

Woodford Green

Essex IG8 OTU

P.HESSLER 1-

Applicant

International application No.

PCT/IB 00/00419

Where? Directly to the

UNITED KINGDOM

5 Mornington Road

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
 "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide

PCT





INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:
H04J 3/06, 3/14

(11) International Publication Number: WO 00/59144
(43) International Publication Date: 5 October 2000 (05.10.00)

(21) International Application Number:

PCT/IB00/00419

(22) International Filing Date:

28 March 2000 (28.03.00)

(30) Priority Data:

99106363.7

29 March 1999 (29.03.99)

EP LUDIE

(71) Applicant (for all designated States except US): LUCENT TECHNOLOGIES INC [US/US]; 600 Mountain Avenue, Murray Hill, NJ 07974-0636 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): HESSLER, Peter [DE/DE]; Bayernstrasse 37A, D-91052 Erlangen (DE). LOEFFLER, Manfred, Alois [DE/DE]; Im Krummnen Gru 4, D-91338 Igensdorf (DE). MILISTERFER, Jurgen, Leonhard [DE/DE]; Frankenloster Strasse 10, D-90574 Robtal (DE). VISSERS, Maarten, Petrus, Joseph [NL/NL]; Simone de Beauvoir Laan 7, NL-1277 BE Huizen (NL).
- (74) Agents: WILLIAMS, David, J. et al.; Lucent Technologies UK Limited, 5 Mornington Road, Woodford Green, Essex IG8 OTU (GB).

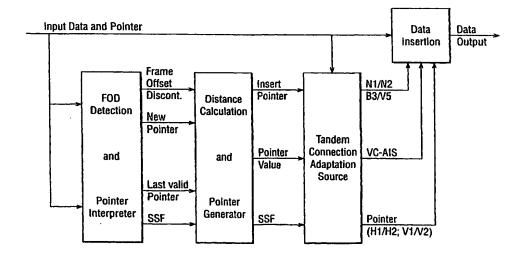
(81) Designated States: AU, BR, CA, CN, ID, IN, JP, KR, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: DETECTION AND COMPENSATION OF INGRESSING FRAME OFFSET DISCONTINUITIES FOR TANDEM CONNECTION TRAILS



(57) Abstract

The invention relates to the detection and compensation of frame offset discontinuities for tandem connection trails in general and especially to frame offset discontinuities occurring at the entrance of a network element in a Synchronous Digital Hierarchy (SDH) and Synchronous Optical Network (SONET) system. It is an object of the invention therefore, to reduce the influence of frame offset discontinuities occurring at the beginning of a Tandem Connection Trail in a Synchronous Digital Hierarchy (SDH) or in a Synchronous Optical Network (SONET) System. This problem is solved by a method of transmitting data in a synchronous hierarchic network system comprising at least a path segment between a first network element (A) and at least a second network element (B) on which tandem connection monitoring (TC) method is established for monitoring transmission of information over said path segment. The method is characterised by detection of frame offset discontinuities at said first network element (A) on the basis of the detection of an alteration of the pointer value.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
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ΑZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
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CH	Switzerland	KG	Kyrgyzstan	NO	Norway	zw	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand		
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		







INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Z

		/
Applicant's or agent's file reference P.HESSLER 1-1-1-3	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
	International filing data (day/mant)	Priority data (day/month/your)
International application No.	International filing date (day/mont) 28/03/2000	Priority date (day/month/year) 29/03/1999
PCT/IB00/00419		29/03/1999
International Patent Classification (IPC) or na H04J3/06	ational classification and IPC	
Applicant		
LUCENT TECHNOLOGIES INC et a	al.	
This international preliminary exam and is transmitted to the applicant a		d by this International Preliminary Examining Authority
2. This REPORT consists of a total of	4 sheets, including this cover s	heet.
been amended and are the bas	sis for this report and/or sheets of 07 of the Administrative Instructi	ne description, claims and/or drawings which have containing rectifications made before this Authority ons under the PCT).
		·
This report contains indications relations	ating to the following items:	
I ⊠ Basis of the report		•
II □ Priority		
III Non-establishment of c	ppinion with regard to novelty, in	ventive step and industrial applicability
IV Lack of unity of invention		
	nder Article 35(2) with regard to ons suporting such statement	novelty, inventive step or industrial applicability;
VI — Certain documents cit		
	nternational application	
VIII 🛛 Certain observations o	n the international application	
	·	
Date of submission of the demand	Date of	completion of this report
28/08/2000 01.03.2001		
Name and mailing address of the international preliminary examining authority:	zed officer	
European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 52365	c, C	

Telephone No. +49 89 2399 8820

Fax: +49 89 2399 - 4465



International application No. PCT/IB00/00419

I. Basis of the report

1.	This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments (Rules 70.16 and 70.17).): Description, pages:							
	1-28	В	as originally filed					
	Cla	ims, No.:						
	1-2	1	as originally filed					
	Drawings, sheets:							
	1/6-6/6		as originally filed					
2.	With lang	With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.						
	These elements were available or furnished to this Authority in the following language: , which is:							
		☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).						
		☐ the language of publication of the international application (under Rule 48.3(b)).						
		the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).						
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:							
	□ contained in the international application in written form.							
		illed together with the international application in computer readable form.						
		☐ furnished subsequently to this Authority in written form.						
		☐ furnished subsequently to this Authority in computer readable form.						
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
		☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.						
4.	. The amendments have resulted in the cancellation of:							
		the description,	pages:					
		the claims,	Nos.:					



International application No. PCT/IB00/00419

		the drawings,	sheets:					
5.			n established as if (some of) the amendments had not been made, since they have been eyond the disclosure as filed (Rule 70.2(c)):					
		(Any replacement shoreport.)	eet contaii	ning such	amendments must be referred to under item 1 and annexed to this			
6.	Add	litional observations, if	necessar	y:				
V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1.	Stat	ement						
	Nov	relty (N)	Yes: No:	Claims Claims	1-21			
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-21			
	Indu	ustrial applicability (IA)	Yes: No:	Claims Claims	1-21			

2. Citations and explanations see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made: see separate sheet



International application No. PCT/IB00/00419

EXAMINATION REPORT - SEPARATE SHEET

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement

The invention relates to a method of transmitting data in a synchronous hierarchic network system (independent claim 1) and to a corresponding synchronous hierarchic network system (independent claim 15).

According to the claimed features of the independent claims, a tandem connection monitoring method is established over a path segment between two network elements based on detection of frame offset discontinuities at the first network element on the basis of an alteration of the pointer value.

The available prior art documents cited in the international search report, in particular EN 300 417-1-1 and EN 300 417-1-1, respectively acknowledged on pages 1 and 11 of the description, disclose the concepts of tandem connection and of frame offset discontinuity, however do not render obvious the interaction of the detection of a frame offset discontinuity situation and the correct management of a tandem connection.

They thus do not disclose or render obvious the combination of features of the independent claims and claim 1 and 15 fulfil the requirements of Article 33(2) and 33(3) PCT regarding novelty and inventive step.

Claims 2-14 and 16-21 are dependent on claims 1 or 15 and therefore also fulfil the requirements of Article 33(2) and (3) PCT.

VIII. Certain observations on the international application

The elements in brackets (A), (B) and (TC) appearing in the claims are not reference signs relating to features in the drawings.

The claims do not contain reference signs (Rule 6.2(b) PCT).